

Subcontractor Safety and Health Requirements

MSC-RD-52359

Revision 0

Effective Date: June 18, 2012

Topic: Safety, Health & Quality

Approved for Public Release;
Further Dissemination Unlimited

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 1 of 30

CHANGE SUMMARY

Rev. 0

Description of Change:

This is a new procedure and is part of MSC Safety and Health and Industrial Hygiene management program to be used for activities that are hazardous or complex such as construction.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 2 of 30

1.0 PURPOSE

This information is part of Mission Support Contract (MSC) Occupational Safety and Industrial Hygiene management program to be used for activities that are hazardous or complex such as construction contracted out by MSC

2.0 SCOPE

These specifications are applicable in their entirety and are in addition to the General Provisions and other Special Provisions that apply to this Contract. These specifications shall take precedence in the event of a conflict between contract-cited Special Provisions and/or General Provisions.

These specifications apply to all subcontracted companies and personnel assigned to work on the Hanford Site in performance of the Mission Support Contract (MSC) contract DE-AC06-09RL14728.

These specifications including requirements identified in the Statement of Work (SOW) shall be flowed down to the lowest tier subcontractor performing work on the Hanford Site commensurate with the risk and complexity of the work as applicable.

3.0 IMPLEMENTATION

This procedure will be fully implemented upon publication.

4.0 PROCESS

4.1 Integrated Safety Management System/Environmental Management System (ISMS/EMS)

4.1.1 General Safety

<i>Actionee</i>	<i>Step</i>	<i>Action</i>
Subcontractor	1.	Shall ensure that: <ul style="list-style-type: none">a) Procedures listed in MSC-PRO-48065 attachment 2 are implemented for applicable work activities performed.b) Line management is responsible for the protection of employees, the public, and the environment;c) Field work supervisors (FWS) and Persons in Charge (PIC) of employees performing work shall be responsible for the protection of those employees, the public, and the environment that may be

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Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 3 of 30

<i>Actionee</i>	<i>Step</i>	<i>Action</i>
		impacted by their work;
	d)	Personnel possess the experience, knowledge, skills, training and abilities that are necessary to discharge their responsibilities;
	e)	Protecting employees, the public, and the environment is a priority whenever activities are planned and performed;
	f)	Before work is performed, the associated hazards are identified, through a preliminary hazard assessment;
	g)	An agreed upon set of safety standards and requirements are evaluated, and controls are established, which provide adequate assurance that employees, the public, and the environment are protected from adverse consequences;
	h)	Administrative and engineering controls to prevent and mitigate hazards are tailored to the work being performed and associated hazards. Emphasis should be on designing the work and/or controls to eliminate or reduce the hazards and to prevent accidents and unplanned releases and exposures;
	i)	The safety requirements to be satisfied for work to be performed are established and agreed upon by the BUYER and the Subcontractor. These agreed upon conditions and safety requirements are requirements of the Contract and binding upon the subcontractor;
	j)	The Subcontractor workers are actively involved in the Subcontractor safety program, job safety analysis, and pre-job safety reviews;
	k)	Open and effective communication exists between the Subcontractor and the buyer to support management of safety issues an initiatives;
	l)	Workers, PIC, FWS, and management continually check the adequacy of work processes, procedures, and equipment, and correct deficiencies when identified.
	m)	Senior Subcontractor management is actively engaged in the implementation, feedback and improvement of the Subcontractor safety program.

Subcontractor 2. Shall promptly identify, evaluate and communicate to the buyer any noncompliance with applicable safety requirements.

5.0 SAFETY REQUIRMENTS – SUBCONTRACTOR SAFETY PROGRAM

5.1 Safety Responsibilities

<i>Actionee</i>	<i>Step</i>	<i>Action</i>
Subcontractor	1.	Shall comply with the following safety standards that are applicable at their covered workplace:

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 4 of 30

<i>Actionee</i>	<i>Step</i>	<i>Action</i>
		<ul style="list-style-type: none">• 10 CFR Part 851, “Worker Safety & Health Program”• Title 29 CFR Part 1910, “Occupational Safety”, excluding 29 CFR 1910.1096, “Ionizing Radiation.”• Title 29 CFR 1926, “Safety Regulations for Construction.”
	2.	Provide a place of employment that is free from recognized hazards that are causing or have the potential to cause death or serious physical harm to workers.
	3.	Ensure workers are properly trained and qualified for the job assigned to them.
	4.	Provide the financial resources and manpower to ensure that maintenance of appropriate levels of worker protection.
	5.	Communicate clearly the employee’s safety responsibilities and their company level safety requirements which they are held accountable to follow.
	6.	Provide mechanisms to involve workers and their elected representatives in the development of the worker safety program goals, objectives, and performance measures and in the identification and control of hazards in the workplace.
	7.	Empower the workforce with the requisite authority and resources to meet their assigned responsibilities.
	8.	Develop organizational objectives and improvement plans to achieve established goals.
	9.	Perform routine walkthroughs of the workplace to review safety performance.
	10.	Inform workers of their rights and responsibility by appropriate means, including posting the DOE designated "It's the Law" Poster in the workplace where it is accessible to all workers.
	11.	Promote safe work habits and safety awareness.
	12.	Maintain involvement in the following activities, as they apply to the function of the organization:

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 5 of 30

<i>Actionee</i>	<i>Step</i>	<i>Action</i>
		<ul style="list-style-type: none">• Hazard evaluation• Worksite inspections and assessments• Safety meeting and committee functions• Pre-job briefings• Resolution of safety concerns• Accident/near miss investigation and corrective action planning
	13.	Consider employee physical limitations and medical work restrictions in assignment of tasks.
	14.	Communicate safety policies to workers on a periodic basis.
	15.	Enforce safety requirements with consistency in accordance with established disciplinary programs to workers, visitors, vendors, and subcontractors.
	16.	Shall exercise a degree of care commensurate with the work, associated hazards, and potential environmental impact.
	17.	Prevent adverse incidents by adopting and sharing good work practices.
	18.	Shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment.
	19.	Shall be accountable for the safe performance of work when performing work under this contract, or any task order issued under this contract.
	20.	Shall take appropriate action, up to and including stopping work, and immediately notifying the buyer if an unplanned risk or hazard is discovered not covered by directions provided by the buyer. This action includes notifying the buyer if the work exposed their workers to hazards that require medical monitoring including near miss incidents.
	21.	Shall perform work in compliance with facility-specific procedures and requirements documents applicable to the work area when identified in the Statement of Work, including drawings and specification, work packages, facility specific procedures, and any site procedures or requirements documents specifically identified in the <i>Statement of Work</i> .

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 6 of 30

<i>Actionee</i>	<i>Step</i>	<i>Action</i>
Buyer	22.	Identifies hazards requiring a unique safety plan.
Subcontractor	23.	Shall either use the Buyer provided plan or submit its own plan for Buyer approval prior to mobilization for unique hazards.
	24.	Dress appropriately if entering the Hanford Site or Buyer-controlled facilities for the work conditions and potential hazards. When required by the Buyer or Buyer policies, personal protective equipment (hard hats, safety glasses, substantial footwear, etc.) must be worn as a condition of continued access and contract performance.
Subcontractor	25.	Shall comply with, and assist the BUYER in complying with, safety requirements of applicable laws, regulations and directives including 10 Code of Federal Regulations (CFR) Part 851, Worker Safety and Health Program.
Buyer	26.	Identify specific requirements within the <i>Statement of Work</i> that are applicable to this Contract.
Subcontractor	27.	Shall meet these requirements, including any additional requirements that the SUBCONTRACTOR identifies during the duration of the contract as applicable.
	28.	Shall cooperate with Federal and non-Federal agencies having jurisdiction over safety matters under this Contract.

NOTE: *Where a conflict exists between regulations, requirements, or standards, the Subcontractor shall bring the conflict to the attention of the buyer, who shall resolve the conflict.*

5.1.2 Orientation

Prior to entry by the SUBCONTRACTOR onto the Worksite, the SUBCONTRACTOR supervisory employees shall attend a general orientation and site walk-down of the actual work (to be conducted by the BUYER and the BUYER Safety Representative) to acquaint themselves with the working conditions and requirements to be imposed at the worksite. The purpose of the

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Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 7 of 30

walk-down is to help ensure that the hazards and potential environmental impacts associated with the activity and the surrounding environment are identified and addressed. It shall be the responsibility of the SUBCONTRACTOR to orient all its other employees, its subcontractors and their employees, as to such working conditions and requirements.

5.1.3 Pre-Job Safety Meetings

Actionee	Step	Action
Subcontractor	1.	Shall perform daily Pre-Job meetings at the work site with an emphasis on worker safety.
	2.	Document pre-job safety meetings and have participants sign-off.
		NOTE: All participants entering the job-site shall read and sign off on the Job Safety Analysis or Automated Job Safety Analysis and have a pre-job specific meeting for the day's activities.
Subcontractor	3.	Shall be responsible for their own work space (e.g., construction work).
	4.	Shall take reasonable precautions in the performance of the work to protect the safety of employees and of members of the public as applicable.

6.0 Subcontractor Safety Requirements

Subcontractor Safety requirements shall meet the following safety requirements as specified.

6.1 Construction Safety (cf. 10 CFR 851, Appendix A, Part 1)

6.1.1 For each separately definable construction activity (e.g., excavations, foundations, structural steel, roofing) the subcontractor shall:

- a) Prepare and obtain MSC construction manager approval of a job specific Job Hazard Analysis (JHA) / Automated JHA (AJHA) prior to commencement of affected work.
- b) The Subcontractor will use the Buyer process (MSC-PRO-079, Job Hazards Analysis) or shall submit an equivalent JHA for unique hazards to be approved by the Buyer. Subcontractor provided analysis shall:
 - Identify foreseeable hazards and planned protective measures;
 - Address further hazards revealed by supplemental site information (e.g., site characterization data, as-built drawings) provided by the construction manager.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 8 of 30

- Provide drawings and/or other documentation of protective measures for which applicable Occupational Safety Administration (OSHA) standards require preparation by a Professional Engineer or other qualified professional.
- Identify competent persons required for workplace inspections of the construction activity, where required by OSHA standards.
- Ensure workers are aware of foreseeable hazards and the protective measures described within the activity analysis prior to beginning work on the affected activity.
- Require that workers acknowledge being informed of the hazards and protective measures associated with assigned work activities. Those workers failing to utilize appropriate protective measures shall be subject to the Subcontractor disciplinary process.

6.1.2 The Subcontractor shall have a Designated Safety Representative on the worksite that is knowledgeable of the project's hazards and has full authority to act on behalf of the Subcontractor during periods of active construction (i.e., excluding weekends, weather delays, or other periods of work inactivity).

- a) The subcontractor Designated Safety Representative shall make frequent and regular inspections of the construction worksite to identify and correct any instances of noncompliance with safety requirements.
- b) The designated Safety Representative shall have the authority and responsibility to identify and correct any unforeseen hazardous or unsafe conditions, acts or instances of non-compliance.

6.1.3 Workers shall be instructed to report hazards not previously identified or evaluated to the Subcontractor Designated Safety Representative. If immediate corrective action is not possible or the hazard falls outside of project scope, the Subcontractor shall immediately notify affected workers, post appropriate warning signs, implement needed interim control measures, and notify the MSC construction manager and Buyer of the action taken. The subcontractor or the designated representative shall stop work in the affected area until appropriate protective measures are established.

6.1.4 For Construction projects, the SUBCONTRACTOR shall prepare a written construction project safety plan to implement the requirements of this section and obtain approval of the plan by the BUYER prior to commencement of any work covered by the plan unless the plan is provided by the BUYER.

- a) The level of detail in the construction project safety plans should be commensurate with the size, complexity and risk level of the construction project.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 9 of 30

- b) The construction project safety plan shall designate the individual(s) responsible for on-site implementation of the plan, specify qualifications for those individuals, and provide a list of those project activities for which subsequent hazard analyses are to be performed.
- c) The SUBCONTRACTOR shall designate the individual(s) responsible for on-site implementation of the contract related aspects using a BUYER provided construction project safety plan.

6.1.5 The SUBCONTRACTOR shall keep the work area, including storage areas, in an orderly condition free from accumulations of waste materials or rubbish.

- a) Materials shall be kept in neat piles and protected from the elements until installed.
- b) The SUBCONTRACTOR shall remove from the worksite all rubbish, and all tools, scaffolding, equipment and materials not the property of the Government or the BUYER prior to or upon completion of the work.
- c) The SUBCONTRACTOR shall leave the construction area in a clean, neat condition, satisfactory to the BUYER upon completion of the work.

6.1.6 The SUBCONTRACTOR shall restrict its personnel and operations to the limits of the work area. Any changes and or modifications to existing installations located at the outer limits of the work area shall be permitted only after specific written approval is received from the BUYER.

6.1.7 Work which requires any existing building utility system to be taken out of service shall be schedule and performed so that the length of time the utility is out of service is held to a minimum.

- a) All material for alteration and tie-in work shall be on hand when each utility service interruption is scheduled.
- b) The SUBCONTRACTOR shall notify the BUYER not less than fourteen (14) calendar working days prior to each required utility shutdown.
- c) All tie-in work shall be scheduled and performed so that the shutdown time will not exceed four (4) hours for water and two (2) hours for electrical or fire alarm.
- d) Methods of performing the tie-in work shall be approved by the BUYER prior to any utility system outage.
- e) Prior approval by the Hanford Fire Marshal must be obtained for connection to and use of existing fire hydrants.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 10 of 30

6.2 Fire Protection (cf. 10 CFR 851, Appendix A, Part 2)

- a) If any Fire Protection design features, egress, combustibles, protection systems will be potentially impacted by SUBCONTRACTOR activities, contact the BUYER to obtain approval from the Project Fire Protection Engineer.
- b) SUBCONTRACTOR employees shall immediately contact the Hanford Site Fire Station by pulling the Fire Pull Box and calling 911 or 509-373-0911 (Cell) in the case of a fire.
- c) The SUBCONTRACTOR shall not impair facility and site-wide fire protection, fire alarm notification and egress features without written approval from the BUYER.
- d) All welding, cutting and grinding operations shall be conducted under a Hot Work Permit provided by the BUYER. SUBCONTRACTOR shall notify the BUYER when a HOT WORK Permit is needed at least 48 hours in advance so it can be approved by the Hanford Fire Marshal or safety manager designee.

NOTE: Hot Work permits must be reviewed and a general work area inspection completed daily or per shift, as applicable, and recorded on a log sheet.

- e) The BUYER may require the implementation of other fire prevention methods or techniques; as dictated by the work activities and site conditions, such as a Fire Watch. The SUBCONTRACTOR shall comply with these fire prevention methods and techniques.
- f) The BUYER will coordinate Fire Protection Outages with the SUBCONTRACTOR and others, and arrange for fire department standby if required.

6.3 Explosives Safety (cf. 10 CFR 851, Appendix A, Part 3)

6.3.1 The use of explosives requires express written authorizations from the buyer.

6.3.2 The subcontractor responsible for the use of explosive materials shall establish and implement a comprehensive explosives safety programs and obtain approval of their program from the buyer.

6.3.3 The subcontractor shall comply with the policy and requirements specified in MSC-RD-11227, *Use of Explosives on the Hanford Site*. A Fire Marshal Permit shall be obtained for transport, storage or use of explosive materials.

6.4 Pressure Safety (cf. 10 CFR 851, Appendix A, Part 4)

6.4.1 SUBCONTRACTOR with work scope involving the design, installation, maintenance, or repair shall perform work in accordance with MSC-RD-19440, Design, Inspection, Testing and Repair of ASME-Coded Pressure Systems and Safety Relief Valves. The

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 11 of 30

SUBCONTRACTOR shall ensure all pressure vessels, boilers, air receivers, and supporting piping systems conform to:

- a) The applicable American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (2004); sections I through section XII including applicable Code Cases
- b) The applicable ASME B31 (Code for Pressure Piping) standards as indicated below; and or as indicated in paragraph (b)(3) of this section:
 - B31.1-200 1, Power Piping, and B31.1la--2002--Addenda to ASME B31.1--2001;
 - B31 .2-1968, Fuel Gas Piping;
 - B31 .3-2002, Process Piping;
 - B31 .4-2002, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids;
 - B31 .5-2004, Refrigeration Piping and Heat Transfer Components, and B31 .5a-2004,
 - Addenda to ASME B31.5-2001;
 - B31 .8-2003, Gas Transmission and Distribution Piping Systems;
 - B31 .8S-200 1, Managing System Integrity of Gas Pipelines;
 - B31 .9-1996, Building Services Piping;
 - B31 .11-2002, Slurry Transportation Piping Systems; and
 - B31 G-1 991, Manual for Determining Remaining Strength of Corroded Pipelines.
- c) The strictest applicable state and local codes.

6.4.2 When national consensus codes are not applicable (because of pressure range, vessel geometry, use of special materials, etc.), SUBCONTRACTOR shall work with their BUYER to implement measures to provide equivalent protection and ensure a level of safety greater than or equal to the level of protection afforded by the ASME or applicable state or local code.

Measures shall include the following:

- a) Design drawings, sketches, and calculations shall be reviewed and approved by a qualified independent design professional (i.e., professional engineer). Documented organizational peer review is acceptable.
- b) Qualified personnel shall be used to perform examinations and inspections of materials, in-process fabrications, non-destructive tests, and acceptance test.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 12 of 30

- c) Documentation, traceability, and accountability shall be maintained for each pressure vessel or system, including descriptions of design, pressure conditions, testing, inspection, operation, repair, and maintenance.

6.5 Firearms Safety (cf. 10 CFR 851, Appendix A, Part 5)

- 6.5.1** The SUBCONTRACTOR is prohibited from bringing firearms onto the Hanford Site. This includes dangerous weapons, ammunition, explosives, incendiary devices, or similar devices which could cause damage or personal injury.
- 6.5.2** Other prohibitions are described in Special Provisions – On Site Services (SP-5).

6.6 Industrial Hygiene (cr. 10 CFR 851, Appendix A, Part 6)

- 6.6.1** The SUBCONTRACTOR is responsible for identifying potential worker health risks and the methods of control, typically documented in a job hazard analysis for activities associated with the industrial risks inherent in the SUBCONTRACTOR means, methods, or techniques;
- 6.6.2** The BUYER is responsible for identifying environmental and job location specific health risks and the methods of control radioactive and chemical risks associated with the work scope arising out of risks specific to the Hanford site and not common to the construction industry.
- 6.6.3** The SUBCONTRACTOR and BUYER shall arrange for exposure monitoring or sampling through the BUYER Industrial Hygiene staff.

NOTE: *The Subcontractor may be authorized to conduct industrial hygiene monitoring if approve by the buyer.*

- 6.6.4** The SUBCONTRACTOR may be asked to provide the qualified Industrial Hygiene personnel to manage and implement the BUYER comprehensive industrial hygiene program under the requirements of 10 CFR 851, Appendix A, Part 6.
- 6.6.5** The SUBCONTRACTOR is responsible for complying with BUYER program as follows:
 - a) Obtaining initial or baseline surveys and periodic resurveys and / or exposure monitoring as appropriate of all work areas or operations to identify and evaluate potential worker health risks.
 - b) Coordinating with planning and design personnel to anticipate and control health hazards that proposed facilities and operations, or construction activities would introduce.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 13 of 30

- c) Complying with policies and procedures as applicable specifically flowed down to the SUBCONTRACTOR if required to mitigate the risk from identified and potential occupational carcinogens or other identified chemical or radiological hazards.
- d) The BUYER will provide professionally and technically qualified industrial hygienists to manage and implement the industrial hygiene program.
- e) The SUBCONTRACTOR shall implement and provide Industrial Hygiene monitoring and support as identified in the *Statement of Work* for hazards in the SUBCONTRACTOR area of expertise.

6.6.6 The SUBCONTRACTOR shall notify the BUYER of all chemicals brought to the worksite and comply with subcontractor requirements contained in MSC-PRO-10468.

6.6.7 The subcontractor shall notify the buyer who will obtain MSC Occupational Safety & Industrial Hygiene approval if a chemical will be used on-site that is identified as a Carcinogen. Approval is required prior to use.

6.6.8 The subcontractor shall meet the MSC Respiratory Protection Program requirements or submit a subcontractor plan to the Buyer for approval by the MSC Respiratory Protection Program Administrator compliant with 10 CFR 851 Appendix A, Part 6, (f).

6.7 Biological Safety (cf. 10 CFR 851, appendix A, Part 7)

The subcontractor is prohibited to bring on site or utilize biological etiologic agents to accomplish their work scope without prior approval from Buyer and OS/IH.

6.8 Occupational Medicine (cf. 10 CFR 851, Appendix A, Part 8)

6.8.1 The SUBCONTRACTOR shall use the Hanford Site's Occupational Medical Services Provider and will comply with MSC-RD-11058 to obtain the following:

- d) Regulatory required occupational medical examinations based on the contracted work scope. (e.g. approval to work at a Hazardous Waste Site, clearance to use a respirator, beryllium or asbestos exposure)
- e) Immediate first-aid care.

NOTE: *Hanford Fire department ambulance service may also be used to provide urgent care and transportation while on the Hanford Site. Richland Fire Department provides emergency response and transport in non-Hanford Site areas.*

- c) Work injury return-to-work evaluations.
- d) Monitor actual or potential exposures of each potentially affected subcontractor employee and;

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 14 of 30

e) Fitness for Duty examinations.

6.8.2 The SUBCONTRACTOR shall enroll (or maintain) its personnel who will perform this work in occupational medicine surveillance program in accordance with the requirements specified in Title 29, Code of Federal Regulations, Part 1910 & Part 1926, occupational safety standards latest edition. These services shall be maintained for workers with on-site activities who:

- a) Work on MSC work scope for more than 30 days in a 12-month period; or
- b) Are enrolled for any length of time in a medical or exposure monitoring program required as listed below, or as provided by the BUYER following the completion of one or more Employee Job Task Analyses in accordance with MSC-RD-11058.

6.8.3 The Buyer has performed a preliminary hazards assessment to identify anticipated chemical/physical hazardous exposure (s) requiring a regulatory required medical exam as listed in the *Statement of Work*.

6.8.4 The Subcontractor shall provide the Hanford Site's Occupational Medical Service Provider with:

- a) Current information about actual or potential work-related site hazards (chemical, radiological, physical, biological, or ergonomic) to Hanford Occupational Health Services.
- b) The opportunity to participate in, worker safety team meetings and committees.
- c) Access to the workplace for evaluation of job conditions and issues relating to workers' health.
- d) Personnel actions resulting in a change of job function.

6.8.5 The subcontractor shall notify Hanford Occupational Health Services when an employee has been absent because of an injury or illness for more than 5 consecutive workdays (or an equivalent time period for those individuals on an alternative work schedule).

6.8.6 In the event a subcontractor employee is medically unable to safely perform the assigned work scope, the subcontractor shall be responsible for providing an acceptable replacement.

6.8.7 In the event that efforts under this Contract involve work in radiological areas or result in routine exposure to radioactive materials, medical related examinations may be required before, during and after the work.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 15 of 30

6.9 Motor Vehicle Safety (cf. 10 CFR 851, Appendix A, Part 9)

- 6.9.1 When Government Furnished Equipment (GFE) equipment is provided to the Subcontractor for Government owned or leased motor vehicles and powered industrial equipment (i.e., fork trucks, tractors, platform lift trucks, and other similar specialized equipment powered by an electric motor or an internal combustion engine), the Subcontractor shall comply with the MSC safety program for motor vehicle safety.
- 6.9.2 Regardless of vehicle ownership, Subcontractor shall ensure their employees:
- a) Meet licensing requirements (including appropriate testing and medical qualification) for personnel operating motor vehicles and powered industrial equipment;
 - b) Are trained for specialty vehicle operators;
 - c) Use of seat belts and provision of other safety devices;
 - d) Do not use cell phones while they are driving and the vehicle is in motion;
- NOTE: *Hands free cell phone use is allowed.*
- e) Obey uniform traffic and pedestrian control devices and road signs;
 - f) Obey speed limits and other traffic rules;
 - g) Meet the manufacturer's and any additional contract requirements for motor vehicle maintenance and inspection; and
 - h) Meet State and Federal transportation requirements.
- 6.9.3 While on the Hanford Site, the Subcontractor shall operate motor vehicles only on hard-surfaced or gravel roads unless prior approval is obtained from the Buyer.
- 6.9.4 The Buyer reserves the right to ban all off-road travel during extreme fire hazard periods.
- 6.9.5 The Subcontractor shall adhere to all restrictions and requirements of the Hanford Fire Marshal's Off Road Travel Bulletin for off-road travel (AB07-001). Any off-road work by the Subcontractor shall be coordinated with the BUYER and approved by the Hanford Fire Department. Subcontractor vehicles which may travel off-road shall carry one 2-A:10-B:C rated fire extinguisher, a shovel, and a communication device. If fire danger level is "Very High" or "Extreme" additional requirements will apply. If a vehicle fire occurs, notify the fire department immediately at 373-0911 on cell phone or 911 on land line.
- 6.9.6 Oversize/overweight. Shippers shall require vehicle operators to obtain a permit when the vehicle or non-reducible load exceeds the following dimensions and or weight:

Legal Dimensions:	Combination:	Legal Weights:
Width: 8 feet, 6 inches	Truck and trailer: 75 Feet	Single axle: 20,000 pounds
Height: 14 feet	Two trailers: 61 feet	Tandem axles: 34,000 pounds

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Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 16 of 30

Length: with or without load Single unit: 40 feet Single trailers: 53 feet		Steering axles: Tire size x 600 pounds per square inch of width
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- 6.9.7 Permits for overweight loads may be obtained for a higher gross weight if the load concentration upon the road surface does not exceed 600 pounds per inch width of tire, 22,000 pounds on a single axle or 43,000 pounds on tandem axles.
- 6.9.8 Movement of any oversize or overweight load within the Hanford Site boundaries shall be in accordance with Washington Administrative Code (WAC) and Revised Code of Washington (RCW).
- 6.9.9 Oversize/overweight Load Permits shall be obtained by calling 376-6654 or 376-7902 before transporting oversize or overweight loads on Hanford Site roads.
- 6.9.10 If oversize or overweight loads are transported off the Hanford Site over state or county roads, an oversize load permit must be obtained from the Washington State Department of Transportation (fees apply).
- 6.9.11 Weather permitting, Hanford Site over dimensional load movement is restricted Monday through Friday to the hours of 8:30 a.m. through 3:00 p.m., with other days and times as stated in the permit.
- 6.9.12 Signs. Oversize load signs (at least 7 feet long and 18 inches high with black lettering at least 10 inches high in 1.41 inch brush stroke on yellow background) will be mounted on the front of the towing vehicle and on the rear of the load or trailing unit. Such signs are to be displayed only when the unit is in transit and must be removed or retracted at all other times. Signs are not required on loads that are overweight only.
- 6.9.13 Flags. All flags shall be clean, bright red flags at least 12 inches square. They shall be displayed so as to wave freely on all four corners of over width objects and at the extreme ends of all protrusions, projections, or overhangs.
- 6.9.14 Escort Car Requirements:
- When vehicle, vehicle or load is over 11 feet in width, escort cars (both front and rear) are required on a two-lane highway.
 - When vehicle, vehicles or load is over 14 feet wide, one escort car in the rear is required on multiple-lane highway.
 - When overall length of load, including vehicles, exceeds 100 feet or when rear overhang of load measured from the last axle exceeds one-third of the total length, one escort car is required on two-lane highways. The permit may authorize a riding flag person in lieu of an escort car.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 17 of 30

- d) If required by Site Transportation, escort cars shall be used when they are necessary to protect the traveling public.
- 6.9.15 Communication. Both towing unit and escort vehicles shall have two-way radio capabilities, adequate to provide communications between drivers at all times during which the oversize unit is in motion.
- 6.9.16 Extra tall vehicles/loads (more than 14 feet high), shall have a route with safe overhead clearances approved by the BUYER with coordination with Utility Operations (373-2977 or 373-2352) and Tri-City Railroad Operations (373-8313).
- 6.9.17 Road closures require advising Hanford Patrol 373-3800, Fire Department 373-2745, and the Benton County Sheriff's office (376-1022 or email: Benton County Sheriffs Office@rl.gov).
- 6.9.18 Rubber-tired heavy equipment with road capability traveling on highways shall be:
 - a) Equipped with "SLOW MOVING VEHICLE" signs on the rear.
 - b) Buckets, fork heels, etc., shall be kept as low as possible; if they extend more than 3 feet ahead of the vehicle,
 - c) Flagged for daylight use and marked with yellow lights in darkness.
 - d) Tracked units, i.e., bulldozers, are not to be operated on paved roads except for approved crossings.
- 6.9.19 Special permits do not authorize the operation of any vehicle without having the load securely fastened and protected against shifting or falling in accordance with the Code of Federal Regulation, Title 49, part 393.100, RCW 46.61 .655.
- 6.9.20 Moving of heavy equipment. The SUBCONTRACTOR shall notify the BUYER at least two (2) working days prior to the date it proposes to move any heavy equipment into or from the worksite and shall not move any such equipment in or from the worksite until receipt of written approval from the BUYER.
- 6.9.21 Heavy Equipment. Heavy equipment will not be allowed to cross existing paved roadways unless such roadway is protected by rubber tires or other adequate protection such as heavy planking. Movement of heavy equipment equipped with crawler-type treads on existing paved surfaces is forbidden and such equipment must be transported to the worksite on rubber-tired trailers. Upon completion of the work, the equipment shall be promptly removed from the worksite.
- 6.9.22 Rail Shipments.
 - a) Rail shipments to the Hanford Site must be authorized in advance. Contact MSC Traffic at least three days prior to a rail car coming onto the Hanford Site to arrange for security inspections and clearances.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 18 of 30

- b) Right of Way. Any construction activity within 25 feet of the centerline of railroad tracks extending to 100 feet in some areas must be coordinated with the BUYER Railroad Operations (Tri-City Railroad).

6.9.23 Equipment deliveries involving pipe, round bar stock, or heavy round tools. All such deliveries shall be fully chocked at the point of the load. No piping or casing will be unloaded at the Hanford site unless it is compliant with Department of Transportation regulations, and properly chocked at the point of the load.

6.10 Electrical Safety (cf. 10 CFR 851, Appendix A, Part 10)

6.10.1 The SUBCONTRACTOR shall meet the following electrical safety requirements:

- a) National Fire Protection Association (NFPA) 70-2008, National Electrical Code
- b) NFPA 70E-2009, Standard for Electrical Safety in the Workplace
- c) DOE-0359, Hanford Site Electrical Safety Program.

6.10.2 The SUBCONTRACTOR shall comply with the requirements of DOE-0336 Hanford Site Lockout/Tagout. In complying with DOE-0336, the SUBCONTRACTOR is responsible for the following:

- a) Members of the SUBCONTRACTOR workforce who are assigned to function as an Authorized Worker or Controlling Organization worker shall be trained and qualified to the requirements of DOE-0336, to perform lockout/tagout.
- b) The SUBCONTRACTOR shall ensure electrical distribution equipment (circuit breaker panels, motor control center cubicles, disconnect switches, etc.) that could be used as a disconnecting means for electrical energy isolation (LOTO) shall be uniquely labeled per a design drawing or other written instruction from the owner prior to energizing the equipment. Temporary labels are acceptable during construction if they contain all of the information required for the permanent label.
- c) The SUBCONTRACTOR shall schedule the completion of Initial and Annual Hanford (HAMMER) training, through their BUYER Technical Representative for SUBCONTRACTOR employees needing to be qualified as Authorized Worker or Controlling Organization to perform lockout/tagout.
- d) The SUBCONTRACTOR shall provide express notification to the BUYER Technical Representative of plans to perform lockout/tagout to coordinate the work scope activity with the appropriate Controlling Organization.
- e) The SUBCONTRACTOR shall perform lockout/tagout (e.g., the hanging and removing of locks and tags) only in the accompaniment of, and under direct oversight of, a qualified member of the Controlling Organization.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 19 of 30

- f) A SUBCONTRACTOR representative may act as Controlling Organization in the performance of “Greenfield” construction, or as otherwise assigned/designated by the BUYER Technical Representative in cases where no physical interface with an existing facility or entity exists.

6.10.3 The SUBCONTRACTOR shall comply with the requirements of MSC-PRO-066, Electrical Utilities Lock and Tag Program when applicable.

6.11 Hazardous Materials

6.11.1 Removal and Disposal of Existing Equipment and/or Materials. All miscellaneous items removed by the SUBCONTRACTOR and not specified to be reused shall remain the property of the Government, and shall be placed at a location adjacent to the worksite as directed in the field by the BUYER.

6.11.2 The SUBCONTRACTOR shall supply a list of all hazardous materials brought onsite and their corresponding Material Safety Data Sheets (MSDS).

6.11.3 The SUBCONTRACTOR shall meet environmental requirements contained in Special Provisions – On Site Services (SP-5). All on-site work shall be conducted in accordance with these requirements.

6.12 Excavation Requirements

6.12.1 The SUBCONTRACTOR shall comply with the requirements of DOE-0344, Hanford Site Excavation, Trenching and Shoring Procedure.

6.12.2 Excavation requirements shall be addressed in the Job Hazard Analysis (JHA)/Automated Job Hazard Analysis (AJHA).

6.12.3 An excavation permit is required for all excavations except the following:

- Hand digging or vacuum excavation that is outside of culturally sensitive areas and less than 305 mm (12 inches) deep.
- Annual cutting and maintenance of firebreaks authorized by the Hanford Fire Department (HFD), except when performed inside protected areas. This authorization shall be in accordance with annual pre-fire planning conducted between Pacific Northwest National Laboratory (PNNL) and the HFD.
- Leased and permitted land, easements, and right-of-ways on the Hanford Site that are under the control of state agencies, private companies or public utilities unless *directed to do so by the U. S. Department of Energy (DOE)*.
- Excavation is determined to be an emergency in nature.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 20 of 30

- 6.12.4 The BUYER will provide an approved permit to the SUBCONTRACTOR prior to the SUBCONTRACTOR initiating the excavation.
- 6.12.5 When required, the SUBCONTRACTOR shall provide cribbing or shoring for excavation to prevent undermining or movement of any load bearing concrete slabs or footings and shall comply with 29 CFR 1926, Subpart P, Excavations (OSHA) regulations.
- 6.12.6 For any excavations, including those less than 12 inches deep, the SUBCONTRACTOR shall notify the BUYER prior to the subcontractor performing excavation to allow time for BUYER to perform subsurface scanning, environmental issues, and/or evaluate soil contamination (radiological or hazardous materials), if required.
- 6.12.7 In the event any underground pipe line, conduit or other object not shown on the drawings or excavation permit or otherwise indicated in the Specifications is encountered, the SUBCONTRACTOR shall immediately stop work and notify the BUYER. Conduits, ducts, and other utilities shall be safely shored, braced and/or guyed.

6.13 Hoisting and Rigging Requirements

- 6.13.1 The SUBCONTRACTOR onsite hoisting and rigging shall be performed in strict accordance with DOE-RL-92-36, Hanford Site Hoisting and Rigging Manual.

For cranes and forklifts the requirements of the Hanford Site Hoisting and Rigging Manual are followed exclusively.

6.14 Exposure Control Requirements for Hexavalent Chromium

- 6.14.1 The following requirements for performing work on the Hanford Site are currently in force for controlling exposures to airborne hexavalent chromium (Cr (VI)) dusts or fumes in accordance with Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1126 Chromium (VI).
- 6.14.2 These requirements are applicable to welding, grinding, torch-cutting, metal buffing and metal polishing, and spray painting activities. Included are activities conducted on materials containing stainless steel, chromium-containing alloy steel, chromium-containing non-ferrous alloys or carbon steel containing chromium, activities using chromium-containing welding rod or wire, or activities involving the decomposition of chromium-containing coatings.
- 6.14.3 These activities typically utilize the following processes:
- a) Plasma arc cutting
 - b) Plasma arc gouging
 - c) Shielded Metal Arc Welding (SMAW)

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 21 of 30

- d) Gas Tungsten Arc Welding (GTAW)
- e) Gas Metal Arc Welding (GMAW)
- f) Flux Cored Arc Welding (FCAW)
- g) Sub Arc Welding (SAW)
- h) Torch cutting through chromate-containing paints
- i) Grinding, buffing and polishing
- j) Spray Painting Activities involving chromium containing materials not included above

6.14.4 The SUBCONTRACTOR is advised to pay particular attention to welding rods and filler material used for overlay, cladding and/or hard surfacing of equipment (e.g., scrapers, back hoe buckets, etc.). This type of welding may be performed by personnel not routinely involved in such activities, and hence not sensitive to the hazards of welding fume exposure. Chromium contents of welding rods and filler material can be determined by reviewing the Material Safety Data Sheet (MSDS).

6.14.5 At minimum, the SUBCONTRACTOR shall implement the requirements listed below to control exposure to hexavalent chromium. These controls, to include activities that may lead to a potential exposure, shall be described in the JHA/AJHA prepared by the SUBCONTRACTOR.

NOTE: Industrial hygiene monitoring data indicating exposure potentials are below MSC established limits may relieve the requirements 6.14.7 through 6.14.16.

6.14.6 Use of Company-Provided Coveralls - Subcontractor employees shall wear subcontractor-provided overalls / work clothing, which could include leathers, consistent with the Hanford Fire Marshall approved hot work permit (hazards analysis), when conducting activities identified below.

6.14.7 Personal Hygiene - Subcontractor employees shall wash their hands and face before breaks and before leaving at the end of the day. The requirement for hand and face washing must be documented as part of the MSC approved hot work permit (hazard analysis).

6.14.8 Plasma Arc Cutting - Subcontractor employees conducting plasma arc cutting shall use a respiratory protection with an Assigned Protection Factor (APF), of at least 50. Those who assist with this process and are continuously within 10 feet of the cutting for the entire time shall use the same level of protection. Individuals who are within 10 feet of the welding for short periods of time (up to 1 hour in any 8-hour period) do not require

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 22 of 30

respiratory protection. Subcontractor employees conducting activities more than 10 feet away from the cutting do not require respiratory protection.

- 6.14.9 Arc Gouging Including Plasma Arc Gouging - Subcontractor employees conducting plasma arc gouging shall use respiratory protection with an APF of at least 25. Those who are continuously within 10 feet of the gouging for the entire time shall use the same level of protection. Individuals who are within 10 feet of the gouging for short periods of time (up to 1 hour in any 8-hour period) do not require respiratory protection. Subcontractor employees conducting activities more than 10 feet away from the gouging do not require respiratory protection.
- 6.14.10 SMAW, GTAW, GMAW, FCAW, and SAW Welding Using Chromium-Containing Base Metal and/or Rod or Wire - Subcontractor employees conducting these activities shall use respiratory protection with an APF of at least 10 (APF of 25 for SMAW). Those who are continuously within 10 feet of the welding for the entire time shall use the same level of protection. Those who are within 10 feet of the welding for short periods of time (up to 1 hour in any 8-hour period) do not require respiratory protection. Subcontractor employees conducting activities more than 10 feet away from the welding do not require respiratory protection.
- 6.14.11 Torch Cutting Through Chromate-Containing Paints - Subcontractor employees conducting this activity shall use respiratory protection with an APF of at least 10. Those who are continuously within 10 feet of the welding for the entire time shall use the same level of protection. Those who are within 10 feet of the welding for short periods of time (up to 1 hour in any 8-hour period) do not require respiratory protection. Subcontractor employees conducting activities more than 10 feet away from the welding do not require respiratory protection.
- 6.14.12 Torch Cutting Through Chromium-Containing Carbon Steel - Subcontractor employees conducting this activity shall use respiratory protection with an APF of at least 10. Those who are continuously within 10 feet for the entire time shall use the same level of protection. Those who are within 10 feet of the cutting for short periods of time (up to 1 hour in any 8-hour period) do not require respiratory protection. Subcontractor employees conducting activities more than 10 feet away from the cutting do not require respiratory protection.
- 6.14.13 Grinding, Buffing or Polishing activities of concern involve stainless steel, chromium-containing alloy steel or chromium-containing non-ferrous alloys - Subcontractor employees conducting this activity for more than 15 minutes in an 8 hour period shall use respiratory protection with an APF of at least 10. Those who are continuously within 10 feet for the entire time shall use the same level of protection.
- 6.14.14 Spray Painting - If this spray painting activity is performed without the benefit of recent IH sample results and recent Health and Safety Plan. Subcontractor employees conducting this activity shall properly use respiratory protection with an APF of at least

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 23 of 30

10. The BUYER Industrial Hygienist shall determine if access or proximity controls or respiratory protection is appropriate for those who need or want to work nearby.

- 6.14.15 Activities involving chromium containing materials not included above - The MSC Industrial Hygienist will determine exposure control criteria. In the absence of written criteria from MSC, use respiratory protection with an APF of at least 50. Those who assist with this activity and are continuously within 10 feet for the entire time shall use the same level of protection. For those who are within 10 feet for short periods of time (up to 1 hour in any 8-hour period) must use respiratory protection with an APF of at least 10. Subcontractor employees conducting activities more than 10 feet away do not require respiratory protection.

6.15 Ladder Safety

- 6.15.1 The SUBCONTRACTOR shall comply with MSC-RD-24243, Portable and Fixed Ladders.

7.0 NOTIFICATIONS

7.1 Notification Requirements

- 7.1.1 The SUBCONTRACTOR shall immediately notify the BUYER of any occupational injury, illness, near misses, or any "Unusual Occurrence".

NOTE: *An Unusual Occurrence is any deviation from the planned or projected behavior or course of events in connection with any operation if the deviation has safety protection significance.*

- 7.1.2 Evaluation or treatment by the Site Occupational Medical Provider to provide proper reporting and documentation may be required for unusual occurrences even when there was no need for medical examinations based on scope of work.
- 7.1.3 The SUBCONTRACTOR shall immediately notify the BUYER of any employee occupational exposure (either measured or estimated) to toxic substances (e.g., chemical hazards) or harmful physical (e.g., noise, laser light) that exceed the Occupational Safety Administration (OSHA) Permissible Exposure Limit (PEL) or the American Conference of Governmental Industrial Hygienist (ACGIH) Threshold Limit Value (TLV).
- 7.1.4 The SUBCONTRACTOR shall immediately notify the BUYER of any requests from or notifications to external agencies and/or regulators, required as a result of employee exposure.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 24 of 30

- 7.1.5 The SUBCONTRACTOR shall notify the BUYER, not less than 24 hours prior to bringing to the Hanford Site any equipment of the type indicated below so that the BUYER may arrange for a safety inspection. Equipment includes, but is not limited to, the following:
- a) Cranes, derricks, hoists and man lifts
 - b) Earth moving equipment
 - c) Off-highway motor vehicles
 - d) Pile driving equipment
 - e) Rock drilling, core drilling, and similar equipment
 - f) Pressure vessels and/or equipment supplied with pressure vessels, either fired or unfired
 - g) Equipment employing "laser" techniques
 - h) Powder actuated tools.
 - i) Equipment employing radioactive materials or that develop ionizing radiation that generates, emits, or utilizes ionizing radiation requires licensing in accordance with 10 CFR 20 Procedural Rules for DOE Nuclear Activities or control in accordance with 10 CFR 835
 - j) Contaminated or potentially contaminated equipment brought onsite for controlled use, authorized under specific control provisions contained within the Statement of Work or associated radiological specifications approved by the BUYER Radiation Protection Organization.
- 7.1.6 The following documents must be provided upon request by the BUYER for equipment to be inspected:
- a) A copy of the latest certified inspection (as applicable).
 - b) Manufacturer's specification and/or recommendations.
 - c) Load rating charts and other information as applied to cranes and hoists.
 - d) Hydrostatic test certification (if applicable).
 - e) Qualified operator certifications (i.e., powder-actuated tools).

8.0 INVESTIGATIONS

8.1 Investigation Support

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 25 of 30

- 8.1.1 The SUBCONTRACTOR shall cooperate in the conduct of accident investigations, including submission of a comprehensive report of any accident that results in a fatality, and shall cooperate as appropriate in the conduct of investigations relating to OSHA recordable injuries/illnesses and property damage.
- 8.1.2 The SUBCONTRACTOR shall not move equipment involved in an accident resulting in an immediate or probable fatality, or serious injury, shall not be moved until a representative of the BUYER releases such equipment, except where removal is essential to prevent further property damage or serious injury/illness. Where necessary to remove the injured, such equipment may be moved only to the extent of making possible such removal.

9.0 STOP WORK

9.1 Stop Work Responsibility

- 9.1.1 The subcontractor shall comply with DOE-0343, Stop Work. Every BUYER and SUBCONTRACTOR employee has the responsibility and authority to stop work IMMEDIATELY, without fear of reprisal, when they are convinced a situation exists which places themselves, their coworker(s), or the environment in danger. "Stop Work" is defined as stopping the specific task or activity that poses danger to human health and/or the environment.
- a) Any employee who reasonably believes that his/her safety is in jeopardy or who is convinced a situation exists that places themselves, their coworker(s), or the environment in danger is expected to refuse work without fear of reprisal by management or coworkers and is entitled to have the safety concern resolved prior to participating in the work.
 - b) Employees are expected to report any practice or condition they believe presents an unacceptable risk. Notification should be made to the affected worker(s) and then, to the notification, resolution of the issue resides with the responsible manager.
 - c) The BUYER shall also be notified when a Stop Work affects the contract staff and the performance of work. The direction to resume work will be made in writing from the BUYER.
- 9.1.2 The SUBCONTRACTOR shall provide for the flow-down of appropriate requirements of this clause to subcontractors performing work on-site at a DOE-owned or leased facility. Such subcontracts shall provide for the right to stop work under the conditions described herein

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 26 of 30

10.0 SUBSTANCE ABUSE

10.1 WORKPLACE SUBSTANCE ABUSE (DEAR 970.5223-4)

10.1.1 The SUBCONTRACTOR effectively certifies, by providing workers on the Hanford Site or in DOE leased facilities that its employees and subcontractor employees are not under the influence of controlled substances, drugs or alcohol.

- DEAR 970.5223-4, Workplace Substance Abuse Programs at DOE Sites (DEC 2000), requires that all personnel working on the Hanford Site or in DOE leased facilities are subject to testing under the BUYER program for controlled substances.

10.1.2 Upon BUYER request, SUBCONTRACTOR agrees to have assigned employees screened by a certified testing laboratory. Sole proprietors shall self-certify and are subject to testing requirements as well.

11.0 TRAINING

11.1 Training Requirements

NOTE: *Requirements include those identified within the procedures applicable to the work to be performed. These may include further qualifications, certifications or other requirements for designation as a competent/qualified person.*

11.1.1 SUBCONTRACTOR shall ensure that assigned personnel meet and maintain appropriate training, qualification and certification requirements as required in the Statement of Work (SOW) and/or appropriate for the work to be performed.

11.1.2 All SUBCONTRACTOR personnel who will be performing work in the field on the Hanford Site must complete or have completed within the past 12 months MSC General Employee Training (MGET) prior to being issued a badge or being allowed access to the Hanford Site.

- Contact our training organization by sending an e-mail message to eHanford@rl.gov for obtaining access instructions. If you do not complete this course prior to arrival on Site, you will have to complete this orientation course at the Site badging office prior to receiving a self-expiring Hanford Site badge.
- Office and administrative visits of less than seven (7) days will be allowed without this course, but access will be limited to office and administrative areas of the Hanford Site. This requirement applies even if SUBCONTRACTOR personnel have a valid DOE badge issued by another site. This course can be completed prior to arriving to the Hanford via the Internet.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 27 of 30

- 11.1.3 Drivers of SUBCONTRACTOR arranged vendor deliveries of supplies shall receive Visitor Vendor Training at the time they pick up their self-expiring Hanford Site badge.
- The BUYER arranges for a Delivery Point of Contact, who knows the safe route and safe drop off location to coordinate activity with the Driver according to Special Provisions – On Site Services (SP-5).
- 11.1.4 The following training courses are required for all construction // service work scopes on the Hanford Site except for vendor deliveries under the direct supervision of a "Delivery Point of Contact" arranged by the BUYER. Additional trainings are as required by the site safety and health procedures.

Course Title	Off-site training acceptable (Yes/No)
MSC General Employee Training	N
MSC Facility specific Orientation	N
OSHA 10-Hour Construction Hazards Recognition course for key supervisors	Y
First-Aid / CPR for at least one crew member	Y
Other Training as specified by the Statement of Work (SOW) or site safety and health procedures.	Varies

12.0 WRITTEN COMMUNICATIONS AND SUBMITTALS REQUIRED

A list of commonly required submittals is provided below:

- a) By written communication (letter or e-mail) to the Contract Officer, the SUBCONTRACTOR shall acknowledge the responsibility to conduct activities associated with the contract be carried out in accordance with contract requirements that include compliance with 10 Part CFR 851, Worker Safety and Health Program.
- b) By written communication (letter or e-mail) to the Contract Officer, written identification of a "Designated Safety Representative" when there is more than one employee working on site.
- c) The SUBCONTRACTOR maintained OSHA Form Number 300, or an equivalent, in compliance with Occupational Safety Standards 29 CFR 1904, Recording and Reporting Occupational Injuries and Illnesses.
 - As part of the Contract Request for Proposal
 - During the timeframe of the contracted activity

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 28 of 30

- During the annual review of a Master Contract or Basic Ordering Agreement
- d) The SUBCONTRACTOR shall report all first aid cases and OSHA Recordable injuries/illnesses in connection with work performed on the Hanford Site in accordance with MSC-PRO-077, Reporting, Investigating, and Managing Health, Safety and Property/Vehicle Events.
- e) The SUBCONTRACTOR shall report all property damage to or losses of DOE-owned or leased property to the BUYER, regardless of cause.
- f) By formal submittal Subcontractor Document Submittal Form (CDSF), a chemical Inventory list of and copy of Material Safety Data Sheets (MSDS) for all hazardous materials brought onsite.
- g) By formal submittal (CDSF), SUBCONTRACTOR shall submit to BUYER, a letter on SUBCONTRACTOR letterhead certifying that the personnel who will perform this work have been examined and judged by SUBCONTRACTOR as fit to perform the work.
- h) Written description of significant changes to SUBCONTRACTOR program documents.
- i) Insurance Certificate identifying the types and limits of coverage per Special Provisions – On Site Services (SP-5) s and written notice in the event of cancellation or material change of contractor provided insurance.

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 29 of 30

- j) By formal submittal, under the cover of a CDSF, equipment safety inspection, including:
- A copy of the latest certified inspection (as applicable)
 - Manufacturer's specifications and/or recommendations
 - For cranes and hoists, load rating chart and other information
 - Hydrostatic test certification (if applicable)
 - Qualified operator certifications or licenses (i.e., powder-actuated tools)
- k) The SUBCONTRACTOR shall provide the BUYER, copies of all employee occupational exposure records generated for work under this contract.
- Employee occupational exposure records include workplace monitoring or measuring of a toxic substance or harmful physical agent including personal, area, grab, wipe or other forms of sampling, as well as, related collection and analytical methodologies, calculations and other background data relevant to interpretation of the results.
 - The BUYER shall provide the SUBCONTRACTOR the appropriate exposure data collection forms. Title to employee occupational exposure records shall be vested in DOE.
- l) By formal submittal of site form A-6004-293 Competent/Qualified Person Designations, the SUBCONTRACTOR shall identify the designated competent person(s).

13.0 FORMS

A-6004-293 Competent/Qualified Person Designation

14.0 REFERENCES

14.1 Source References

10 CFR 20, Procedural Rules for DOE Nuclear Activities
10 CFR 835, Occupational Radiation Protection
10 CFR 851, Worker Safety & Health Program.
29 CFR 1904, Recording and Reporting Occupational Injuries and Illnesses
29 CFR 1910, Occupational Safety and Health Standards [General Industry]
29 CFR 1926, Safety and Health Regulations for Construction
49 CFR Part 393, Parts and Accessories Necessary for Safe Operation
ASME Code (2004) ASME Boiler and Pressure Vessel Code (2004)
ASME B31 (Code for Pressure Piping)
DEAR 970.5223-4, Workplace Substance Abuse Programs at DOE Sites (DEC 2000)
NFPA 70-2008, National Electrical Code

Subcontractor Safety and Health Requirements

MSC-RD-52359, Rev. 0

Effective Date: June 18, 2012

Page 30 of 30

NFPA 70E-2009, Standard for Electrical Safety in the Workplace
RCW 46.61, Rules of the Road

14.2 Working References

DOE-0336, Hanford Site Wide Lockout/Tagout
DOE-0343, Stop Work
DOE-0344, Hanford Site Excavating, Trenching and Shoring Procedure
DOE-0359, Hanford Site Electrical Safety Program
DOE-RL-92-36, Hanford Site Hoisting and Rigging Manual
MSC-PRO-066, Electrical Utilities Lock and Tag Program
MSC-PRO-077, Reporting, Investigating, Managing Health, Safety and Property/Vehicle Events
MSC-PRO-079, Job Hazard Analysis
MSC-PRO-10468, Chemical Management
MSC-PRO-48065, Subcontractor Safety Processes
MSC-RD-11058, Occupational Medical Qualification and Monitoring
MSC-RD-11227, Use of Explosives of the Hanford Site
MSC-RD-19440, Design, Inspection, Testing and Repair of ASME-Coded Pressure Systems and
Safety Relief Valves
MSC-RD-24243, Portable and Fixed Ladders

Special Provisions – On Site Services (SP-5)

Hanford Fire Marshal's Off Road Travel Bulletin